

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-10 (canceled).

11 (new). A control system for conditioning air, comprising:

an electronic device that executes a control program having:

 a registration module configured by a remote user to store profile

information including an identification of a conditioning system to be controlled;

 a data packet creation module that generates a control command data packet

based on said stored profile information and a control command inputted by the remote user; and

 a data packet transmitter that transmits said generated control command data packet over a communications link to the conditioning system associated with said profile information to control an operation of the conditioning system.

12 (new). The control system of claim 11, wherein said electronic device is remotely located from a structure conditioned by the conditioning system.

13 (new). The control system of claim 11, wherein the communications link comprises a PSTN.

14 (new). The control system of claim 13, wherein the conditioning system is interfaced to the PSTN.

15 (new). The control system of claim 14, said identification of the conditioning system stored in the profile information further comprises a telephone number associated with the PSTN interfaced conditioning system.

16 (new). The control system of claim 11, wherein the communications link comprises a wired network.

17 (new). The control system of claim 11, wherein the communications link comprises a wireless network.

18 (new). The control system of claim 11, wherein said electronic device controls a plurality of conditioning systems, said registration module storing profile information uniquely identifying each conditioning system.

19 (new). The control system of claim 18, wherein said communications link comprises a PSTN, each conditioning system of the plurality of conditioning systems being interfaced to the PSTN, the profile information storing a telephone number and a unique identifier that are associated with the each conditioning system.

20 (new). A method for controlling a conditioning system, comprising:
executing a control program in a remote electronic device to store profile information including an identification of a conditioning system to be controlled;
inputting a control command representing a desired operation to be performed by the conditioning system;
generating a control command data packet based on the stored profile information and the inputted control command; and
transmitting the generated control command data packet over a communications link to the conditioning system associated with the profile information so that the conditioning system performs the desired operation.

21 (new). The method of claim 20, wherein the control program is executed by an electronic device remotely located from a structure conditioned by the conditioning system.

22 (new). The method of claim 20, wherein the communications link comprises a PSTN.

23 (new). The control system of claim 22, wherein transmitting the generated control command data packet over a communications link comprises transmitting the generated control command data packet over a PSTN.

24 (new). The method of claim 23, wherein storing profile information including an identification comprises storing profile information including a telephone number associated with the conditioning system.

25 (new). The method of claim 20, wherein transmitting the generated control command data packet over a communications link comprises transmitting the generated control command data packet over a wired network.

26 (new). The method of claim 20, wherein transmitting the generated control command data packet over a communications link comprises transmitting the generated control command data packet over a wireless network.

27 (new). The control system of claim 20, wherein the remote electronic device controls a plurality of conditioning systems, the control program being executed to store profile information uniquely identifying each conditioning system.

28 (new). The control system of claim 27, wherein transmitting the generated control command data packet over a communications link comprises transmitting the generated control command data packet over a PSTN, each conditioning system of the plurality of conditioning systems being interfaced to the PSTN, the profile information including a telephone number and a unique identifier that are associated with each conditioning system.

29 (new). A method for distantly controlling a plurality of conditioning systems, comprising:

executing a control program in a remote electronic device to store profile information for each conditioning system of a plurality of conditioning systems to be

controlled, the remote electronic device being distant from each conditioning system, the profile information uniquely identifying each conditioning system;

inputting at least one control command representing at least one desired operation to be performed by at least one conditioning system of the plurality of conditioning systems;

generating at least one control command data packet based on the stored profile information related to the at least one conditioning system and the inputted at least one control command; and

transmitting the generated control command data packet over a telephone network to the at least one conditioning system to perform the at least one desired operation.

30 (new). The method of claim 29, wherein transmitting the generated control command data packet over a telephone network comprises transmitting the generated control command data packet over at least one of a wired and a wireless network.

31 (new). The method of claim 29, further comprising receiving monitoring information from at least one conditioning system so that the remote electronic device determines an operating state of the at least one conditioning system.

32 (new). The method of claim 29, wherein the remote electronic device includes a graphic user interface to facilitate inputting at least one control command.